MOTO**ROKR**™ EM28

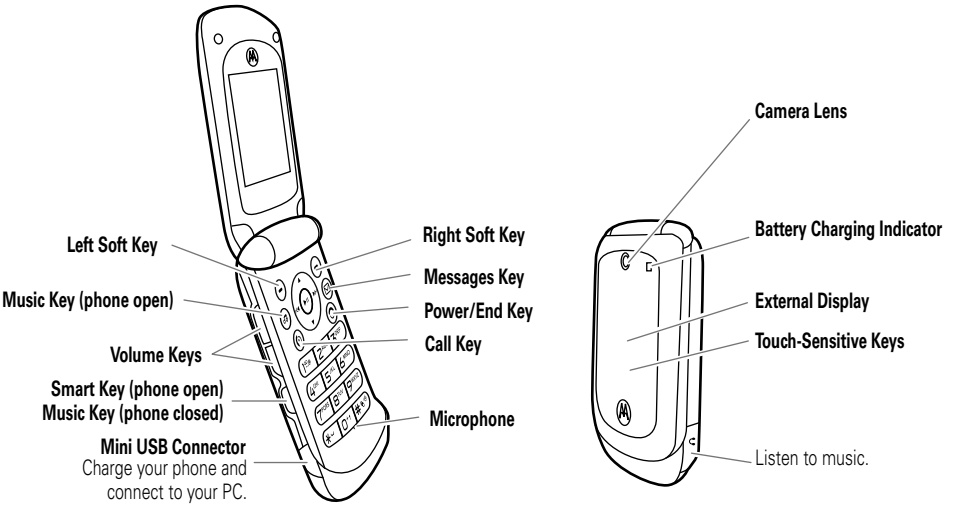
User's Guide

HELLOMOTO

Introducing your new MOTO**ROKR™** EM28 wireless phone! It's packed with entertainment and music features.

- **Hi-Speed Music on the Highway** – Use the music player (page 45) to set your playlist for your morning commute. Or, use the FM Radio (page 49) to listen to your favorite music or news programs. With a stereo wired headset or high quality **Bluetooth®** stereo headset, listening has never been easier.
- **Dedicated Music Keys and Touch-Sensitive Keys** – When your phone is **open**, use the dedicated music key (page 45), or when your phone is **closed** use the touch-sensitive music keys (page 46), to control music play.
- **EDGE Hi-Speed Transfer** – Quickly transfer music and media from your PC to your phone (page 44).
- **Connect on So Many Levels** – Whether it's with work or friends, stay connected with voice (page 32) and messaging (page 41).
- **Camera** – Capture key moments with **photos** (page 51) and **videos** (page 53).
- **My Phone, My Way** – Customize the look and sound of your phone (page 27).
- **Convenient Extras** – Whether your at work or home, make use of handy tools like Phonebook, Calculator, Alarm Clock, Calendar, and others (page 56).

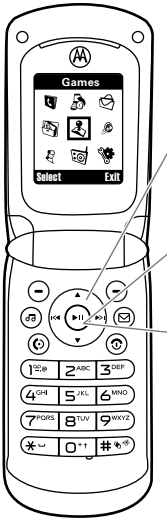
Here's a quick anatomy lesson:



A few menu basics:

1. Press & hold the **Power Key** until the display lights up to turn on your phone.

2. Press the **Center Key** to open the **Main Menu**.



3. Press the **Navigation Key** up/down/left/right to highlight a menu feature.

4. Press the **Center Key** to select it.

5. In some list views, such as your Message Inbox or Contacts list, the symbol shows at the bottom of the screen. This indicates that menu options are available. Press the center key to display the menu options.

This is a typical home screen and main menu layout. **Your phone may be a little different**.

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menu map

main menu

Phonebook

Recent Calls
- Received Calls
- Dialed Calls
- Notepad
- Call Times
- Call Costs
- Data Times
- Data Volumes

Messages
- Create
- Inbox
- Draft
- Outbox
- Quick Notes
- Voicemail
- Browser Msgs
- Info Services
- MMS Templates

Office Tools
- Calculator
- MyMenu
- Alarm Clock
- Stop Watch
- Chat *
- Dialing Services *
- Calendar

Games & Apps
- MotoID

WebAccess
- Start Browser
- Web Shortcut
- Go To URL
- Web Session
- Stored Pages
- History
- General Setting

Multimedia
- Camera
- Pictures
- Sounds
- Music
- FM Radio
- Video Camera
- Videos

Settings
- (see next page)

FM Radio

* Network Dependent

This is the standard main menu layout.
Your phone's menu may be different.

settings menu

Personalize
- Home Screen
- Main Menu
- Color Setting
- Greeting
- Wallpaper
- Screensaver
- Quick Dial

Ring Style
- Style
- *Style* Detail

Call Forward
- Voice Calls
- Fax Calls *
- Data Calls *
- Cancel All
- Forward Status

In Call Setup
- In-Call Timer
- My Caller ID
- Call Cost Setup *
- Answer Options
- Call Waiting

* Network Dependent

Initial Setup
- Time and Date
- 1-Touch Dial
- Display Timeout
- Backlight
- Scroll
- Language
- DTMF
- Master Reset
- Master Clear
- Format Additional Storage Device

Phone Status
- My Numbers
- Active Line *
- Battery Meter

Headset
- Auto Answer

Airplane Mode
- Airplane Mode
- Prompt At Startup

Network
- New Network
- Network Setup
- Avail. Networks
- Service Tone
- Call Drop Tone
- Band Selection

Security
- Phone Lock
- External Key Lock
- Call Barring
- Fixed Dial
- SIM PIN
- New Passwords
- Restrict Calls
- Block List

Java Settings
- Java System
- InvisibleNET
- Delete All Apps
- App Backlight
- App Vibration
- App Volume
- Java DNS Address

Bluetooth Link
- Find Me
- Audio Devices
- Device History
- Setup

Use and Care

To care for your Motorola phone, please keep it away from:

liquids of any kind

Don't expose your phone to water, rain, extreme humidity, sweat, or other moisture. If it does get wet, don't try to accelerate drying with the use of an oven or dryer, as this may damage the phone.

extreme heat or cold

Avoid temperatures below 0°C/32°F or above 45°C/113°F.

microwaves

Don't try to dry your phone in a microwave oven.

dust and dirt

Don't expose your phone to dust, dirt, sand, food, or other inappropriate materials.

cleaning solutions

To clean your phone, use only a dry soft cloth. Don't use alcohol or other cleaning solutions.

the ground

Don't drop your phone.

about this guide

This guide shows how to locate a menu feature as follows:

Find it: ‹● › > Recent Calls > Received Calls

This means that, from the home screen:

1. Press the *center key* ‹● › to open the main menu.
2. Scroll to Recent Calls and press the center key ‹● ›.
3. Scroll to **Received Calls** and press the center key ‹● ›.

Tip: Press the center key ‹● › or **Select** to select a highlighted option.

symbols	
	This means a feature is network/subscription dependent and may not be available in all areas. Contact your service provider for more information.
	This means a feature requires an optional accessory.

SIM card

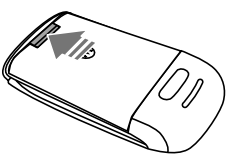
Your *Subscriber Identity Module* (SIM) card contains personal information like your phone number and contacts. It can also contain your voicemail and text message settings.

If you put your SIM card in another phone, that phone uses your phone number.

Caution: Don't bend or scratch your SIM card. Keep it away from static electricity, water, and dirt.

Tip: Make sure your SIM card is fully inserted into the phone before installing the battery.

1



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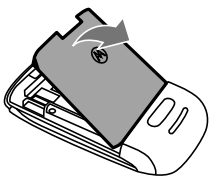
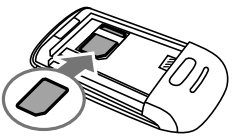


3



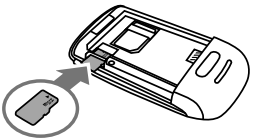
Tip: There is a small hole at the side of the battery door that you can use to help remove the battery door.

memory card

You can use a removable microSD memory card (up to 2 GB) with your phone to store and retrieve multimedia objects, such as music and pictures.

Note: Your phone supports up to 2 GB microSD memory cards (greater than 1 GB capacity is guaranteed for SanDisk microSD cards only). We recommend that you use Motorola approved memory cards only, such as SanDisk memory cards. Other

memory cards may not be compatible with your phone.



To install the memory card, make sure the memory card's metal contacts are facing down. Slide the top of the memory card under the metal band and into the holder. **To remove the memory card**, slide the card back out of the holder.

Tip: You do not need to remove the battery to install or remove the memory card.

battery

battery use and safety

IMPORTANT: HANDLE AND STORE BATTERIES PROPERLY TO AVOID INJURY OR DAMAGE. Most battery issues arise from improper handling of batteries, and particularly from the continued use of damaged batteries.

DON'Ts

- **Don't disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery.**
- **Don't let the phone or battery come in contact with water.** Water can get into the phone's circuits, leading to corrosion. If the phone and/or battery get wet, have them checked by your carrier or contact Motorola even if they appear to be working properly.
- **Don't allow the battery to touch metal objects.** If metal objects, such as jewelry, stay in prolonged contact with the battery contact points, the battery could become very hot.

- **Don't place your battery near a heat source.** Excessive heat can damage the phone or the battery. High temperatures can cause the battery to swell, leak, or malfunction. Therefore:
  - Do **not** dry a wet or damp battery with an appliance or heat source, such as a hair dryer or microwave oven.
  - Avoid leaving your phone in your car in high temperatures.

DOs

- **Do avoid dropping the battery or phone.** Dropping these items, especially on a hard surface, can potentially cause damage.
- **Do contact your service provider or Motorola if your phone or battery has been damaged from dropping or high temperatures.**

IMPORTANT: USE MOTOROLA ORIGINAL PRODUCTS FOR QUALITY ASSURANCE AND SAFEGUARDS. To aid consumers in identifying authentic Motorola batteries from non-original or counterfeit batteries (that may not have adequate safety protection), Motorola provides holograms on its batteries. Consumers should confirm that any battery they purchase has a "Motorola Original" hologram.

Motorola recommends you always use Motorola-branded batteries and chargers. Motorola mobile devices are designed to work with Motorola batteries. If you see a message on your display such as **Invalid Battery** or **Unable to Charge**, take the following steps:

- Remove the battery and inspect it to confirm that it has a "Motorola Original" hologram;
- If there is no hologram, the battery is not a Motorola battery;
- If there is a hologram, replace the battery and retry charging it;

- If the message remains, contact a Motorola Authorized Service Center.

Important: Motorola's warranty does not cover damage to the phone caused by non-Motorola batteries and/or chargers.

Warning: Use of a non-Motorola battery or charger may present a risk of fire, explosion, leakage, or other hazard.

PROPER AND SAFE BATTERY DISPOSAL AND RECYCLING

Proper battery disposal is not only important for safety, it benefits the environment. Consumers may recycle their used batteries in many retail or service provider locations. Additional information on proper disposal and recycling may be found on the Web:

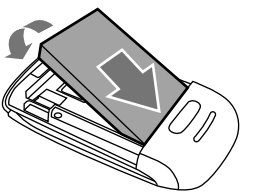
- **www.motorola.com/recycling**
- **www.rbrc.org/call2recycle/** (in English only)

Disposal: Promptly dispose of used batteries in accordance with local regulations. Contact your local recycling center or national recycling organizations for more information on how to dispose of batteries.

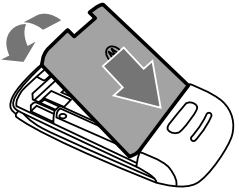
Warning: Never dispose of batteries in a fire because they may explode.

install the battery

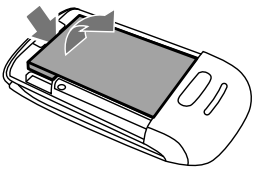
1



2

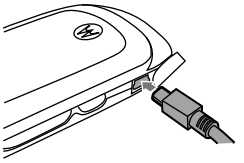


remove the battery



Note: Your battery is intentionally tight fitting to ensure consistent connection.

charge the battery



New batteries are not fully charged. Plug the battery charger into your phone and an electrical outlet. Your phone might take several seconds to start charging the battery. When the battery starts charging the battery charging indicator (see page 2) comes on. The phone shows **Charge complete** when finished.

Tip: You can also use a PC USB port to charge your phone battery. Before connecting your phone to your PC, download and install the charging software driver from **www.motorola.com/support**.

Notes for charging your phone's battery:

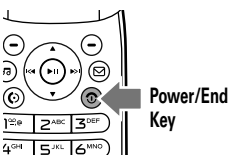
- When charging your battery, keep it near room temperature. Never expose batteries to

temperatures below 0°C (32°F) or above 45°C (113°F) when charging.

- New batteries are not fully charged.
- New batteries or batteries stored for a long time may take more time to charge.
- Motorola batteries and charging systems have circuitry that protects the battery from damage from overcharging.

turn it on & off

To turn on your phone, press and hold ⏻ for a few seconds or until the display turns on.



If prompted, enter your four-digit unlock code. Your phone's four-digit **unlock code** is originally set to **1234** or the last four digits of your phone number (see page 22).

To turn off your phone, press and hold ⏻ for a few seconds.

make a call

Enter a phone number and press ✆ to make a call. See page 32 for more calling features.

To hang up, press ⏻.

Tip: Is your caller saying they can't hear you? Make sure your finger is not covering the microphone (see page 2).

answer a call

When your phone rings and/or vibrates, press ✆ to answer. See page 27 for answer options.

To hang up, press ⏻.

adjust volume

You can adjust the volume during a call by pressing the up or down volume keys on the side of the phone (see page 2), or by pressing up or down. To mute a call, press **Options** > **Mute**.

change ring alert

Find it: > **Settings** > **Ring Style**

Available options are **Loud ring**, **Soft ring**, **Vibrate**, **Vibrate & Ring**, **Vibrate then Ring** or **Silent** (see page 27).

store a number

You can store up to 1000 phone numbers in your phonebook (see page 56 for more contact features):

1 Enter a phone number in the home screen, and press **Store**.

2 Enter a name and other details for the phone number, press **OK**. To select a highlighted item, press the center key .

3 Press **Done** to store the number.

To store an email address for a new contact, press > **Phonebook** > > **New** > **Email**. Enter the name and email address, then press **OK** > **Done.**

call a stored number

Find it: > **Phonebook**

1 Scroll to the entry.

2 Press to call the entry.

Shortcut: In your phonebook, enter the letters of an entry to get to it quickly.

Tip: Set the **Phonebook** icon as a **Home Screen** navigation key for even faster access (see page 26).

Note: You can change the search method to **Find** to search for a contact name by typing it in:

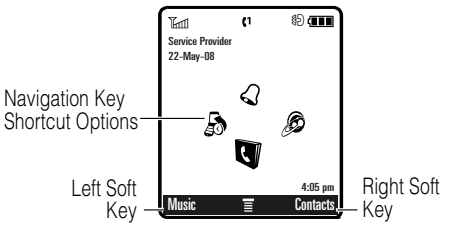
Find it: ‹●› > Phonebook > ‹●› > Setup > Search Method

basics

See page 2 for a basic phone diagram.

home screen

When you turn on your phone, the *home screen* displays.



Note: Your home screen might look a little different from this example.

Soft key labels show the current soft key functions. For soft key locations, see page 2.

Press the *navigation key* up, down, left, or right to select shortcut items in the home screen.

Status indicators can appear across the top of the home screen:

indicator	
Signal Strength	Vertical bars show the strength of the network connection.
▲ **Roaming**	Indicates phone is in a digital coverage area and is roaming off home network.

indicator	
Voice Call/ Incoming Call	Shows during an active voice call.
Battery Level	Shows battery charge level. The more bars, the greater the charge.
Loud ring	Indicates **Style** (in **Ring Style**) is set to **Loud ring**.
Soft ring	Indicates **Style** (in **Ring Style**) is set to **Soft ring**.
Vibrate	Indicates **Style** (in **Ring Style**) is set to **Vibrate**.
Vibrate & Ring	Indicates **Style** (in **Ring Style**) is set to **Vibrate & Ring**.
Vibrate then Ring	Indicates **Style** (in **Ring Style**) is set to **Vibrate then Ring**.
Silent	Indicates **Style** (in **Ring Style**) is set to **Silent**.

indicator	
New Text or MMS Message	Appears when you receive a new text or multimedia message.
New Voicemail Message	Appears when you receive a new voicemail message.
Bluetooth	Appears when you turn Bluetooth® on.

external display

When the phone flip is closed, the following indicators can appear on the external display:

indicator	
Incoming Calls	Shows an incoming call.
New Messages	Appears when you receive a new text or multimedia message.
Battery Charging Status	Shows during battery charging.

side keys

volume keys

Press the volume keys on the side of the phone to:

- Turn off an incoming call alert
- Change earpiece or speakerphone volume during a call
- Change volume for a song.

music/smart key

The external *music key* gives you a way to access your music with the phone closed.

The *smart key* gives you a way to access the feature you set with the phone open. To set the *smart key* feature press > Settings > Personalize > Home Screen > Home Keys > Smart Key.

Note: With your phone closed, the smart key locks and unlocks your external keys.

Tip: Press to access your music with the phone open.

handsfree

You can use your phone's handsfree speaker to make calls without holding the phone to your ear. To turn the speaker on, during a call, press ‹● Spkr on. To turn the speaker off, press Spkr off.

Note: The handsfree speaker won't work when your phone is connected to a handsfree car kit or headset, or if your phone is closed.

You can also use an optional 3.5 mm wired headset to go handsfree.

Note: Mini USB headsets are not supported.

codes & passwords

Your phone's four-digit **unlock code** is originally set to **1234** or to the last four digits of your phone number. The six-digit **security code** is originally set to **000000**.

Your service provider may reset these codes. If not, you should change them to protect your personal information. The unlock code must contain four digits. The security code must contain six digits.

To change a code or password:

Find it: ‹● > Settings > Security > New Passwords

Note: If you forget your security code, contact your service provider.

lock & unlock phone

You can lock your phone with a four-digit code to keep others from using it.

Note: You can make emergency calls on a locked phone (see page 34). A locked phone still rings or vibrates for incoming calls or messages, **but you need to unlock it to answer**.

To lock your phone:

Find it: > Settings > Security > Phone Lock > Lock Now or Automatic Lock

Enter the four-digit unlock code and press **OK**. Your phone first displays **Phone Locked**, and then shows **Enter Unlock Code** until the next time you unlock your phone. **To unlock your phone**, enter your four-digit code and press **OK**.

To change your unlock code:

Find it: > Settings > Security > New Passwords > Unlock Code

memory card

You can store multimedia content, such as songs and pictures, on your phone's internal memory or on an optional memory card.

Note: If you download a file or copyrighted file and store it on your memory card, you can use the file only while your memory card is inserted in your phone. You cannot send, copy, or change copyrighted files.

format memory card

You will need to format the memory card (**using the phone**) before using it for the first time. This essential procedure creates the **picture**, **video**, **java**, and **music**

folders and ensures your phone can read the contents of the card.

Caution: Formatting the memory card erases all content on the card.

Find it: ‹●› > Settings > Initial Setup

1 Scroll to **Format Additional Storage Device** and press **Select**.

2 When prompted, press **Yes** to continue or **No** to cancel formatting.

Tip: To access data stored on your microSD memory card, with your phone in the home screen, press ‹●› > **Multimedia** > **Pictures** or **Sounds** or **Music** or **Videos** and then press ‹●› > **Switch Storage Devices**. If there are no files stored on your memory card then your phone will automatically switch to its internal memory.

tips & tricks

From the home screen (page 19), you can use shortcuts:

To...	Do this...
play music (phone open)	Press [♫] to activate the music player.
play music (phone closed)	Press the external *music key* to activate the music player. You can then use the touch-sensitive keys to control music.
see recently dialed numbers	Press [⊙].
use shortcuts	Press the left and right soft keys or the navigation key ·Ö·.

To...	Do this...
access messages	Press [✉].
access voicemail	Press and hold [1].
change ring style	Press and hold [#] to change between vibrate and the set ring style.
wake up external display (phone closed)	Press anywhere on the external display.

change home screen shortcuts

Find it: > Settings > Personalize > Home Screen > Home Keys

options	
Icons	Show or hide the home screen shortcut icons.
Up, Down, Left, Right	Choose the features that open when you press the navigation key (⊙) up, down, left, or right in the home screen.
Right Soft Key	Choose the feature that opens when you press the *right soft key*.
Smart Key	Choose the feature that opens when you press the *smart key*.

change main menu appearance

To change your main menu appearance to icons or a list, press > Settings > Personalize > Main Menu > View.

ring styles & alerts

Your phone rings and/or vibrates to notify you of an incoming call or to signal certain other events. This ring or vibration is called an *alert*.

set a style

Find it: > Settings > Ring Style

1 Select **Style** by pressing .

2 Scroll to a ring style and press .

set alerts

Set alerts for different events, such as getting a message in your inbox or receiving a call.

Find it: > Settings > Ring Style

1 Scroll to *Style* **Detail** and press .

2 Scroll to an alert type and press .

3 Scroll to the desired detail setting and press .

Note: Your phone plays a sample of each highlighted setting. Ringtones play through the speakerphone, unless you're using a headset.

answer options

Set your phone to one of the following answer options: **Multi-key On**, **Multi-key Off** or **Open to answer.**

Find it: > Settings > In Call Setup > Answer Options

wallpaper

Set a picture as a wallpaper (background) image in your home screen.

Find it: > Settings > Personalize > Wallpaper

To select a wallpaper image:

1 Scroll to **Picture** and press .

2 Scroll to the picture you want and press ·●·

or

Select **None** to turn off wallpaper.

To adjust wallpaper image layout:

1 Scroll to **Set Layout** and press ·●·.

2 Scroll to **Tile**, **Center** or **Fit-to-screen**, and press ·●·.

screen saver

Set a picture as a screen saver image. The screen saver displays when there is no phone activity.

Find it: ·●· > **Settings** > **Personalize** > **Screensaver**

To select a screen saver:

1 Scroll to **Type** and select **Animation**.

Tip: You can also select **Analog clock**.

2 Scroll to **Animation** and press ·●·.

3 Scroll to the animation or picture you want and press ·●·

To specify how long your phone must be inactive before it displays the screen saver:

1 Scroll to **Idle Time** and press ·●·.

2 Select a time period and press ·●·.

Note: To conserve battery life, turn off the screen saver.

color setting

To choose a **Color Setting** (or skin) that sets the look and feel of your phone's display, press ·●· > **Settings** > **Personalize** > **Color Setting**.

display settings

To select a time period that the display light remains on, press ·●· > **Settings** > **Initial Setup** > **Display Timeout**.

backlight

To select a time period that the backlight remains on, press ⊕ > Settings > **Initial Setup** > **Backlight**.

MyMenu

Create a custom menu of your favorite phone features and tools.

assign an item to MyMenu

1 Press ⊕ then scroll to a desired menu or submenu item.

For example, if you want to assign the **Messages** menu to **MyMenu**, scroll to the messages icon (✉) on the main menu. If you want to assign the **Calculator** function to **MyMenu**, scroll to and select **Office Tools** (on the main menu) then scroll to **Calculator**.

2 With the desired option highlighted, press and hold ⊕ until the **MyMenu** confirmation appears, then select **OK**.

3 Press **Done** to accept the assigned key number, or scroll to **Key** and press **Change** to assign a different one.

use MyMenu

From the home screen, open the main menu, then simply press the number key you assigned to the feature. For example, if you assigned **Messages** to 2 then press ⊕ > 2.

more customizing

features
ring volume
⊕ > Settings > **Ring Style** > *Style* **Detail** > **Ring Volume**

features
keypad volume > Settings > Ring Style > *Style* Detail > Key Volume
reminders Set your phone to play reminder alerts for unread messages, missed calls, or voicemail messages that you receive: > Settings > Ring Style > *Style* Detail > Reminder
set time and date > Settings > Initial Setup > Time and Date
text layout Set home screen text to be Left Justified or Centered: > Settings > Personalize > Home Screen > Layout

features
clock view Set digital or analog clock on the home screen: > Settings > Personalize > Home Screen > Clock Set
language > Settings > Initial Setup > Language
master reset Reset all options except unlock code, security code, and lifetime timer: > Settings > Initial Setup > Master Reset To reset all options, you need to enter the Unlock Code (**default 1234**).

features

master clear

Clear all options except unlock code, security code, and lifetime timer, and clear all user settings and entries.

This option erases all user-entered information stored in your phone memory, including phonebook entries and downloaded files. Once you erase the information, it cannot be recovered. It resets all options to their factory settings except for the unlock code, security code, and lifetime timer.

> Settings > Initial Setup > Master Clear

To reset all options, you need to enter the Unlock Code (**default 1234**).

calls

To make and answer calls, see page 16.

redial a number

1 From the home screen, press ⊙ to see a list of recently dialed calls.

2 Scroll to the entry you want to call and press ⊙.

recent calls

Your phone keeps lists of the calls you recently received and dialed, even if the calls didn't connect. The lists are sorted from newest to oldest calls. The oldest calls are deleted as new calls are added.

Find it: ✦ > Recent Calls > Received Calls or Dialed Calls

1 Scroll to an entry.

Note: A ✓ next to a call means that the call connected.

2 Press ⊙ to call the number.

To see call details (such as time and date), press **View**.

Press the center key ✦ while viewing a list of recent calls to see these options:

option	
Store	Store the entry.
Block list	View your list of blocked callers.
Delete	Delete the entry.
Delete All	Delete all entries in the list.

option	
Show ID / Hide ID	Show or hide your phone number when making a call.
Send Message	Create a new text message with the number in the **To** field.
Add Digits	Add digits after the number.
Attach Number	Attach a number from the phonebook or recent calls lists.

return a missed call

When you miss a call, your phone plays an alert, displays the (missed call) indicator on the home screen and displays the indicator on the external display of your phone. Press **View** to see the details and press to call the number.

To view your missed calls at any time:

Find it: > Recent Calls > Received Calls

To hear a voicemail message, see page 42.

call waiting

If you **receive a second call** while you are already on a call:

- To answer the second call and put the first call on hold, press , or the left soft key, **Answer**. To switch between the calls, press **Switch** again.
- To send the second call to your voicemail, press **Ignore**.

quick dial

Your phone can store nine phone numbers that you can call with a single key press. To **store** a quick dial phone number:

> Settings > Personalize > Quick Dial

To **call** a quick dial phone number, press and hold the single-digit quick dial number from the home screen.

notepad

The most recent set of digits that you entered are stored in your phone's *notepad* memory.

To retrieve a number in the notepad:

Find it: > Recent Calls > Notepad

Press to call the number or press **Store** to store the number in your phonebook.

emergency calls

Your service provider programs emergency phone numbers, (such as 999, 112 or 911), that you can call under any circumstances, even when your phone is locked.

1 Enter the emergency number.

2 Press .

Note: Emergency numbers vary by country. Your phone's pre-programed emergency number(s) may not work in all locations, and sometimes an emergency call cannot be placed due to network, environmental, or interference issues.

call times

Network connection time is the elapsed time from the moment you connect to your service provider's network to the moment you end the call by pressing . This time includes busy signals and ringing.

The amount of network connection time you track on your resettable timer may not equal the amount of time for which you are billed by your

service provider. For billing information, please contact your service provider directly.

features
set in-call timer > Settings > In Call Setup > In-Call Timer
call cost setup > Settings > In Call Setup > Call Cost Setup
view call times > Recent Calls > Call Times Scroll to Last Call, Dialed Calls, Received Calls, All Calls, or Lifetime, and press Select.

headset

features
auto answer Automatically answer calls when connected to a headset: > Settings > Headset > Auto Answer **Note:** mono and stereo headsets are supported for voice only.
change volume Press up or down on the volume keys, on the side of the phone, or press up or down to change the headset volume during a call.

more calling

features

international calls

If your phone service includes international dialing, press and hold 0 to insert your local international access code (indicated by +). Then, press the keypad keys to dial the country code and phone number.

call forwarding

Set up or cancel call forward:

> > Settings > Call Forward

features

restrict calls

Restrict outgoing or incoming calls:

> > Settings > Security > Call Barring

Select **Outgoing Calls**, **Incoming Calls** or **Cancel All** and press **Select**.

When prompted, enter the unlock code (supplied by your service provider) and press **OK**.

enter text

Some screens allow you to use the keypad to enter text, such as when you compose a message.

set entry modes

Multiple text entry modes make it easy for you to enter names, numbers, and messages:

entry mode	
Primary Secondary	Enter text using a method that you set.
Number	Enter numbers only (see page 40).
Symbol	Enter symbols only (see page 40).

To assign a Primary or Secondary text entry mode:

1. In a text entry screen, press ⊕.
2. Scroll to **Entry Setup** and press ⊕.
3. Scroll to **Primary Setup** or **Secondary Setup** and press ⊕.
4. Scroll to one of the following choices and press ⊕:

options	
iTAP™	Let the phone predict each word as you press keys.
TAP	Enter letters and numbers by pressing a key one or more times.
Tap Extended	Enter letters, numbers, and symbols by pressing a key one or more times.

To change the text entry mode:

Press # in the text entry screen to change the text entry until the desired mode is displayed.

To select or edit a text entry mode

Press ◆ in any text entry screen, scroll to and select **Entry Mode**, then scroll to and select the desired entry mode.

capitalisation

Press 0 in any text entry screen to change the text case. These indicators show capitalisation status:

indicator	
ab	No capital letters
AB	All capital letters
Ab	Capitalize next letter only

text entry mode indicators

When you select the **Primary** or **Secondary** text entry mode, the following indicators identify the text entry setting:

primary	secondary	
1	2	Tap, no capital letters
1⇧	2⇧	Tap, capitalize next letter
1⬆	2⬆	Tap, all capital letters
1	2	iTAP™, no capital letters
1⇧	2⇧	iTAP, capitalize next letter
1⬆	2⬆	iTAP, all capital letters

These indicators identify **Numeric** or **Symbol** entry mode:

indicator	
12	Number mode
@	Symbol mode

iTAP™ method

The iTAP software combines your single key presses into common words, and predicts each word as you enter it. This can be faster than the **Tap** method.

1 Press ·Ò· right or left to scroll through the possible letter combinations, and highlight the combination you want.

2 Press **Select** to enter the highlighted combination.

You can press keys to add more letters to the end of the combination.

or

Press * to insert a space.

For example, if you press 4 6 6 3, your phone displays the corresponding letter combinations:

Press **Select** to accept **good**.

Press ·Ò· right or left to see other word suggestions.

tap method

This is the standard method for entering text on your phone.

Regular **Tap** method cycles through the letters and numbers of the key you press. The **Tap Extended** method cycles through letters, numbers, **and** symbols.

1 Press a key one or more times to cycle through its characters.

2 Repeat the step above to enter all characters.

Tip: Press * to insert a space.

In a text entry screen you can press # to switch entry modes. If **Tap** or **Tap Extended** is not available as the **Primary** or **Secondary** entry mode, see page 37.

numeric method

In a text entry screen, press # to switch entry methods until your phone displays the **12** (numeric) indicator.

Press keypad keys to enter numbers. When finished, press # to switch entry modes.

symbol method

In the text entry screen, press # to switch entry methods until your phone displays the @(symbol) indicator.

1 Press a key one or more times to show possible symbol combinations at the bottom of the screen.

2 Scroll left or right to highlight a symbol and press **Select** to enter it.

delete letters & words

Move the cursor to the right of the text you want to delete and then:

- Press **Delete** to delete one letter at a time.
- Press and hold **Delete** to delete the entire message.

messages

You can send and receive text (SMS/EMS) and multimedia (MMS) messages as well as access your voicemail from the Messages menu. Each message type allows you to attach different objects. The available options are displayed in the **Insert** menu.

Tip: Press ✉ to go to the messages menu.

Note: Your phone can store a maximum of 750 messages, shared between the **Inbox**, **Outbox** and **Draft** folders.

send a message

Find it: ⊕ > Messages > Create

1 Select a message type and enter the message text.

2 To insert a picture, sound, or other object, press **Insert**.

3 When you finish the message, press **OK**. Choose one or more people to send to.

4 Press **Send**.

quick text

Set your home screen to access the **Quick Text** option so that you can send messages faster.

Find it: ⊕ > Settings > Personalize > Home Screen > Home Keys > Up, Down, Left or Right > Quick Text

After setup you can quickly access the text entry screen by pressing the navigation key direction you set for **Quick Text**.

receive a message

When you receive a message, your phone plays an alert, flashes ✉ (new message) on the external display, and displays a new message notification on the home screen. Press the **Read** soft key to read the message immediately, or the **Exit** soft key to save it in your message inbox for viewing later. To read messages in your message inbox:

Find it: ·●· > Messages > Inbox

Scroll to the message you want to read. Press **Select** to open the message. For MMS messages, your phone displays the media object, then the message.

voicemail

Your network stores the voicemail messages you receive.

When you **receive** a voicemail message, your phone shows an indicator and **New Voicemail**. Press **Call** to call your voicemail.

To check your voicemail messages at any time:

Find it: ·●· > Messages > Voicemail > Call

Note: Your service provider may have assigned quick dial number 1 for calling voicemail and may provide additional information about using voicemail.

more messaging

features
use MMS template Select a multimedia template with preloaded media: ·●· > Messages > Create > MMS Templates

features
view sent, received and draft messages › Messages > Inbox, Draft, or Outbox
erase messages Delete all messages or only messages from one folder: › Messages > Create > Cleanup Messages Select All, Inbox, Browser msgs, Info services, Outbox, or Drafts.
view the message memory status › Messages > Create > Memory Status

MotoID

If you hear a song on the radio, television, or another music source that you want to know the artist or name of, you can use your phone to identify it.

Find it: > Games & Apps > MotoID

Put your phone near the source of music, such as a speaker, and press **Listen**.

Your phone sends a sound sample to a service provider. If there's a matching song, your phone shows you the title and artist. (The song must be commercially recorded.) Your phone stores the song information so you can view it again later.

When your phone identifies a song, you can:

- Press **Options** to view details for songs your phone has identified, or do other tasks.
- Press **Listen** to identify another song.

get music

Copy music to an optional memory card.

Connect:

1 With a memory card inserted and your phone in the home screen, insert the USB cable in your phone (see page 62) and your Windows PC.

Note: Your phone supports Microsoft™ Windows XP™ and Windows Vista™. Other operating systems may not be compatible with your phone.

2 On your phone, press **Yes** to connect your phone as a storage device.

Note: For USB cable connection details, see page 62.

3 Now that you are connected, use USB drag and drop to copy your music to the memory card.

USB drag and drop:

1 Use the My Computer window to find Removable Device. The **picture**, **video**, **java** and **music** folders are automatically available.

2 Drag and drop your music, photos, videos and other items that you want to copy into the **picture**, **video**, **java** and **music** folder.

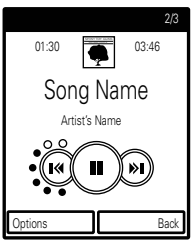
Note: A file name (including the path) must be less than 255 characters. For example, if you copy songs into a folder you create that is named "MyMotoSongs," the name of any song PLUS the name of the folder "MyMotoSongs" must be less than 255 characters.

3 When you're done, use the **Safely Remove Hardware** feature on the computer to finish.

music player

Use your phone to play, AAC, AAC+, eAAC+, MIDI, MP3, RA, WAV, and WMA music file types:

Find it: ♫



Note: Your phone may not play MP3 files that have a bit rate higher than 320 kbps. If you try to download or play one of these files, your phone may display an error message or ask you to delete the file.

Tip: Connect a stereo or Bluetooth® headset for high quality music playback.

music player controls

function	
scroll through song list	Before music playback, press ·◆· up or down.
play	Press ·◆· or **Play**.
pause/resume	Press ·◆·.
fast forward	Press & hold ·◆· right.
next song	Press ·◆· right.
rewind	Press & hold ·◆· left.
previous song	Press ·◆· left.
turn off	Press ⏻.

Tip: You can listen to music as you travel. Use Bluetooth® A2DP enabled devices, such as stereo headphones, for enhanced music quality and use Bluetooth AVRCP enabled devices, such as car stereos, to control playback.

touch-sensitive music keys

function	
play or pause	Press ▶II
next song	Press ▶▶I
previous song	Press I◀◀

music

Find it: ·◆· > **Multimedia** > **Music**

From the **Music** menu select one of the following:

option	
All	Shows list of all songs.
Playlists	Play and manage your playlists.
Artists	Select artists to show or play their songs.
Albums	Select an album to show or play its songs.
Genres	Select a genre of music to show or play its songs.
Search	Search for a song title or keyword.
Shuffle All	Play all songs in a random order.

playlists

Find it: > **Multimedia** > **Music** > **Playlists**

- To create a new playlist press **New Playlist**.
- To edit an existing playlist, scroll to the playlist and press .
- To play a playlist, scroll to the playlist and press **Options** > **Play**.

music playlist options

option	
Play	Play a song or playlist.
New Playlist	Add a new playlist.
Delete Playlist	Remove an existing playlist.
Apply to Playlist	Add a song to an existing playlist.
Save Playlist as	Save your current playlist as a different name.
Rename	Change the name of playlist.
Reorder	Change the order of your songs.
Search	Search for a song title or keyword.

option	
Music Store	Open the music store.
Setup	Change settings, such as, **Auto Repeat**, **Shuffle**, and **Equalizer**.
View Free Space	Shows the **Free**, **Used**, **Total** and **Tracks** on your storage device.

sounds

Find it: ‹●› > Multimedia > Sounds

From the **Sounds** menu press ‹●› and select one of the following:

option	
Send	Send the song to someone.
Apply as ringtone	Select song as your ringtone.

option	
New	Create new playlist or iMelody.
Details	Show song information.
Manage	**Delete**, **Move**, **Copy** or **Rename** a song.
Mark	Select a song.
Mark all	Select all songs.
Setup	Change **Auto Repeat** on or off.
View Free Space	Shows the **Free, Used** and **Total** space on your storage device.
Switch storage devices	Change between phone memory and memory card.

playlists

Find it: ‹●› > Multimedia > Sounds

- To create a new playlist press ‹●› > **New** > **Playlist**.

- To edit an existing playlist, scroll to the playlist and press ◆ > **Edit**
- To play a playlist, scroll to the playlist and press **Play**.

sounds playlist options

option	
New	Add a playlist.
Manage	Delete a playlist.
Edit	Edit an existing playlist.
Reorder	Change the order of your songs.
Setup	Change settings, such as, **Auto Repeat** and **Shuffle**.
View Free Space	Shows the **Free, Used** and **Total** space on your storage device.
Switch storage devices	Change between phone memory and memory card.

FM radio

Find it: ◆ > **FM Radio**

To use the RDS **FM Radio** you need to connect a stereo headset to the 3.5 mm headset jack.

- Press ◆ left or right to change the frequency.
- Press the up or down volume keys on the side of the phone, or press ◆ up or down to adjust the volume.
- Press **Options** > **Mute** to mute the radio.

use the radio presets

1 Tune in the desired frequency by pressing ◆ left or right, or press **Options** > **Scan** to scan for all available radio stations. You can also use the keypad keys to enter a frequency by pressing **Options** > **Set Frequency**.

2 Press and hold a number key to save that number as the preset.

select a radio preset

1 Press **Options** > **Station Presets** to view a list of all radio presets.

2 Press ·Ö· up or down to select a preset.

Tip: If you know the number assigned to the preset station, press the keypad number to select it.

record FM radio clips

1 Press **Options** > **Record**.

Note: The maximum recording length is 100 seconds.

2 Press **Options** > **Stop Recording** to stop the recording. The clip is saved in **Multimedia** > **Sounds**.

Note: The unauthorized copying of copyrighted materials is contrary to the provisions of the Copyright Law of the United States and other countries. This device is designed solely for copying non-copyrighted materials, materials which you own the copyright, or materials which you are authorized or legally permitted to copy. If you are uncertain about your right to copy any material, please consult your legal advisor.

Note: Playback of recorded radio clips is in mono sound format only.

turn radio off

To turn the radio off press **Options > FM radio off**.

hide radio

To hide the radio press **Options > Hide**. Press **Radio** soft key to see the radio again.

Note: You can close the phone and use the touch-sensitive keys to **stop** ▶II the radio and to change frequency ▶▶I or I◀◀.

share a radio station

Share your favorite radio stations with friends:

Find it: > Multimedia > FM Radio > Options > Send Station Info

Use the message screen to send the station frequency. Your friend can access the station with a single click.

select the radio output

You can play the radio through a stereo headset or a speaker. Press **Use Headset** or **Use Speaker**.

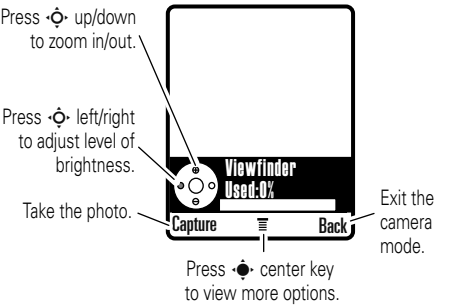
camera

Find it: > Multimedia > Camera

Your camera lens is on the front of your phone (see page 2). **To get the clearest pictures, wipe the lens clean with a soft dry cloth before you take a picture.**

take a photo

With the viewfinder open, press **Capture** to take the photo.



To view your photos at any time, press > Multimedia > Pictures.

Tip: Press **Store** > **Send in message** to share it with your friends.

photo features

Before you capture your photo, you can press ⊕ to open the camera menu:

options	
Go to Pictures	Switch to the **Pictures** menu.
Auto-Timed Capture	Set to auto-timer.
Auto-Save	Automatically save your photos to the **Pictures** menu.
Picture Setup	Set the **Lighting Conditions, Special Effect, Exposure, Resolution, Shutter Tone, Image Quality** or **Flicker** settings.
Switch Storage Device	Switch between the **Phone Memory** and **Memory Card**.
View Free Space	Shows the **Free, Used** and **Total** space on your storage device.

You can also use the navigation keys to change the **Zoom** and **Brightness** settings:

options	
Zoom	Set the zoom for your photo.
Brightness	Set the brightness for your photo.

After you capture your photo, you can press **Store** to open the **Store Options** menu:

options	
Send in Message	Send your photo in a message.
Store Only	Saves the photo in the **Pictures** menu.
Apply as	Set the photo as a wallpaper (background) image, or screen saver or a phonebook entry.

video camera

Find it: > Multimedia > Video Camera

Your camera lens is on the front of your phone (see page 2). **To get the clearest video clips, wipe the lens clean with a soft dry cloth before you use the camcorder.**

record a video

Press to start or pause recording, press the left soft key to **Stop**.

play a video

Press > Multimedia > **Videos** select video and press **View**.

video features

Before you capture your video, you can press **Options** to open the video recorder menu:

options	
Go to Videos	View a list of recorded video clips.
Video Camera Setup	Set your video quality, length and sounds.
Switch Storage Device	Change the storage location of your video (**Phone Memory, Memory Card**).
Free Space	View the storage space available on the selected location.

After you capture your photo, you can press **Stop** to open the **Options** menu:

options	
Save	Saves the video in the **Videos** menu.
Discard	Discard the video and return to viewfinder.
Preview	Play the video without saving.
Send	Send your video in a message or via Bluetooth®.

WebAccess

Use your EDGE-enabled phone to access Web pages.

Find it: ‹●› > **WebAccess**

WebAccess options

option	
Start Browser	Open the Web browser.
Web Shortcut	Access a preset shortcut to a Web page.
Go to URL	Enter a Web page URL.
Web Session	Access a stored Web session.
Stored Pages	Access your stored pages.
History	Access a list of recently viewed Web sites.
General Settings	Clear history, reset cache, clear cookies or enable progressive downloads.

open a Web page

1 Press ‹●› > **WebAccess** > **Go to URL** and enter the Web address, such as **www.motorola.com**.

2 If necessary, select **Options** > **Go to URL**.

3 Press **Options** > **Select**.

manage bookmarks

To see your bookmarks press **WebAccess** > **Web Shortcuts**. To manage your bookmarks press ◆ to open the bookmarks menu:

options	
New entry	Add a bookmark.
Edit	Edit a bookmark.
Delete	Delete a bookmark.

fun & games

features
play a game
◆ > **Games & Apps**

features
manage pictures
◆ > **Multimedia** > **Pictures**
manage music
◆ > **Multimedia** > **Music**
manage sounds
◆ > **Multimedia** > **Sounds**
manage videos
◆ > **Multimedia** > **Videos**

Note: To access pictures, sounds, or videos stored on your microSD memory card, press ◆ > **Multimedia** > **Pictures** or **Sounds** or **Videos** and press ◆ > **Switch Storage Devices**. If there are no files stored on your memory card then your phone will switch to internal memory.

tools

contacts

features
create entry › > Phonebook > › > New
edit entry › > Phonebook Scroll to the entry and press › > Edit to edit the entry. Scroll up or down and press › to edit fields. Press Done to save your changes.
delete entry › > Phonebook Scroll to the entry and press › > Delete

personal organizer

features
add calendar event › > Office Tools > Calendar Scroll to the desired day and press ›, then scroll to New and press Select.
view calendar event View or edit event details: › > Office Tools > Calendar Scroll to the desired day and press ›, then scroll to the event and press Select.

features
add calendar reminder › > Office Tools > Calendar Scroll to the desired day and press ›, then scroll to **New** and press **Select**. Scroll to **Reminder** and set the required time to be reminded before the event.
event reminder When an event reminder occurs, press › to view it. Press **Exit** to dismiss it.
copy calendar event Copy a datebook event to another date and/or time: › > Office Tools > Calendar Scroll to the desired day and press **Select**, then scroll to the event and press ›. Scroll to **Copy** and press **Select**.

features
set alarm › > Office Tools > Alarm Clock **Note:** You can set the FM radio as your alarm device by selecting **Alert** > **Radio** from **Alarm Details**.
calculator › > Office Tools > Calculator
stop watch › > Office Tools > Stop watch
convert currency › > Office Tools > Calculator Press › and select **Convert Currency**.

network

features
network settings View network information and adjust network settings: > Settings > Network
select a band   > Settings > Network > Band Selection

Bluetooth® wireless

Your phone supports Bluetooth wireless connections with audio devices, such as a handsfree headset or music system.

Note: The use of wireless phones while driving may cause distraction. Discontinue a call if you can't concentrate on driving. Additionally, the use of wireless devices and their accessories may be prohibited or restricted in certain areas. Always obey the laws and regulations on the use of these products.

For maximum Bluetooth security, you should always connect Bluetooth devices in a safe, private environment.

connect to an audio device

Before you try to connect your phone with an audio device, make sure the device is **on** and **ready** in *pairing* or *bonding* mode (see the user's guide for the device).

Find it: > Settings > Bluetooth Link > Audio Devices

If Bluetooth is off, you will be prompted to turn it on. Your phone lists the devices it finds within range:

1. Scroll to a device in the list and press the *center key* .
2. If necessary, press the Yes or OK key to connect to the device.
3. If necessary, enter the device passkey (such as 0000) and press the OK key.

When your phone is connected, the Bluetooth indicator is highlighted in the status bar and displayed on the top of the phone.

Shortcut: When your phone's Bluetooth power is on, your phone can automatically connect to a handsfree device you have used before. Just turn on the device, or move it near the phone. If the device doesn't connect, turn it off and back on.

send files to another device

You can send a media file, phonebook entry, agenda event and more from your phone to a computer or other device.

Note: You can't copy some copyrighted objects.

1 On your phone, scroll to the object that you want to copy to the other device.

2 Press **Options** > **Send** > **To Bluetooth**.

3 Select a recognized device name, or **Look for device** to search for the device where you want to copy the file.

If your phone could not send the file to the other device, make sure the device is **on** and **ready** in *discoverable* mode (see the user's guide for the device). Also, make sure the device is not busy with another similar Bluetooth connection.

Note: Once you connect your phone to a Bluetooth device, that device can start similar Bluetooth connections with your phone. When your phone is connected, the Bluetooth indicator is highlighted in the status bar and displayed on the top of the phone.

receive files from another device

If you do not see the Bluetooth indicator in the status bar, turn on your phone's Bluetooth feature by pressing > **Settings** > **Bluetooth Link** > **Setup** > **Power** > **On**

1 Place your phone near the device, and send the file from the device.

If your phone and the sending device don't recognize each other, place your phone in discoverable mode so the sending device can locate it: Press > Settings > Bluetooth Link > Find Me.

2 Press the Accept key on your phone to accept the file from the other device.

Your phone notifies you when file transfer is complete.

more Bluetooth features

Note: A device is *recognized* after you have paired or bonded with it (see page 59).

features
change your phone's name > Settings > Bluetooth Link > Setup > Name
make phone visible to other devices Allow a Bluetooth device to discover your phone: > Settings > Bluetooth Link > Find Me.
connect to recognized device Connect your phone to a recognized device: > Settings > Bluetooth Link > Device History > *device name*

features

disconnect a headset or handsfree device

> Settings > Bluetooth Link > Audio Devices

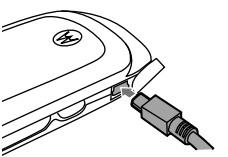
Scroll to the device name and press **Options** > **Disconnect**.

switch to headset or handsfree device during call

During a call, press **Options** > **Audio** >*device name*, to switch to a recognized headset or car kit.

cable connections

You can use your phone's mini USB port to connect to a computer.



Note: Motorola Original™ USB data cables and supporting software may be sold separately. You can download software and buy a cable from Motorola Phone Tools at **direct.motorola.com/hellomoto/phonetools.com**.

If you use a USB cable connection:

- Be sure to connect the phone to a high-power USB port **on your computer** (not a low-power one, such as the USB port on your keyboard or bus-powered USB hub.

  Note: If you connect your phone to a low-power USB port, the computer may not recognize your phone.

- Make sure both your phone and the computer are turned on and the phone is in the home screen.

  Note: When your phone is plugged into a computer and is being used for mass storage, it cannot be used for anything else. To restore

the phone to normal use, disconnect it from the PC.

- Your phone currently supports Microsoft™ Windows XP™ and Windows Vista™. Other operating systems may not be compatible with your phone.

Attach the Motorola Original USB cable to the mini USB port on your phone and to an available USB port on your computer.

Note: The battery will start charging.

On your computer:

1 Open your "My Computer" window, where your phone's memory card shows as a "Removable Disk" icon.

2 Click on the "Removable Disk" icon to access the memory card.

3 If necessary, in the "Removable Disk" (memory card) window, create one or more folders for the files you will copy onto the memory card.

4 To copy files between your computer and phone, drag and drop into the appropriate folders.

5 When you're finished, remove the device by selecting the "Safely Remove Hardware" icon at the bottom of your computer screen, then select "USB Mass Storage Devices" and "Stop".

Note: To help manage your files, you can also create new folders in the existing folders.

Use these folders on your memory card for the file types indicated:

- picture files (JPG, PNG, or BMP): **picture**
- video files (MIDI and WAV): **video**
- java apps & games: **java**

- music files (MP3): **music** (see page 44).

Tip: You can store music on your phone or memory card. You do not have to use the **music** folder but **do not copy files to the main directory**.

Note: The maximum single picture file size is 600 kB. A file name (including the path) must be less than 255 characters. For example, if you copy songs into a folder you create that is named "MyMotoSongs," the name of any song PLUS the name of the folder "MyMotoSongs" must be less than 255 characters.

service & repairs

If you have questions or need assistance, we're here to help.

Go to **www.motorola.com/support**, where you can select from a number of customer care options. You can also contact the Motorola Customer Support Center at 0800 666 8676 (Argentina), (800-201-442 (Chile), 01-800-700-1504 (Colombia), 01 800 021 0000 (México), 0800-100-4289 (Venezuela), or 0-800-52-470 (Perú).

Specific Absorption Rate Data

This model wireless phone meets the government's requirements for exposure to radio waves.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government and by the Canadian regulatory authorities. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age or health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC and by the Canadian regulatory authorities is 1,6 W/kg.[1] Tests for SAR are conducted using standard operating positions accepted by the FCC and by Industry Canada with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station, the lower the power output.

Before a phone model is available for sale to the public in the U.S. and Canada, it must be tested and certified to the FCC and Industry Canada that it does not exceed the limit established by each government for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) reported to the FCC and available for review by Industry Canada. The highest SAR value for this model phone when tested for use at the ear is 0,74 W/kg, and when worn on the body, as described in this user guide, is 0,52 W/kg. The SAR value for this product in its data transmission mode (body-worn use) is 0,56 W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and regulatory requirements).[2]

While there may be differences between the SAR levels of various phones and at various positions, they all meet the governmental requirements for safe exposure. Please note that improvements to this product model could cause differences in the SAR value for later products; in all cases, products are designed to be within the guidelines.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) Web site:

http://www.phonefacts.net

or the Canadian Wireless Telecommunications Association (CWTA) Web site:

http://www.cwta.ca

1. In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.
2. The SAR information includes the Motorola testing protocol, assessment procedure, and measurement uncertainty range for this product.

Specific Absorption Rate Data

This model meets international guidelines for exposure to radio waves.

Your mobile device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves recommended by international guidelines. These guidelines were developed by the independent scientific organization ICNIRP and include safety margins designed to assure the protection of all persons, regardless of age and health.

The guidelines use a unit of measurement known as the Specific Absorption Rate, or SAR. The ICNIRP SAR limit for mobile devices used by the general public is 2 W/kg and the highest SAR value for this device when tested at the ear is 0,74 W/kg (850/1900 MHz); 0,8 W/kg (900/1800 MHz) .[1] As mobile devices offer a range of functions, they can be used in other positions, such as on the body as described in this user's guide.[2] In this case, the highest tested SAR value is 0,52 W/kg (850/1900 MHz); 0,31 W/kg (900/1800 Mhz) .[1]

As SAR is measured utilizing the device's highest transmitting power, the actual SAR of this device while operating is typically below that indicated above. This is due to automatic changes to the power level of the device to ensure it only uses the minimum level required to reach the network.

While there may be differences between the SAR levels of various phones and at various positions, they all meet the governmental requirements for safe exposure. Please note that improvements to this product model could cause differences in the SAR value for later products; in all cases, products are designed to be within the guidelines.

The World Health Organization has stated that present scientific information does not indicate the need for any special precautions for the use of mobile devices. They note that if you want to reduce your exposure then you can do so by limiting the length of calls or using a "handsfree" device to keep the mobile phone away from the head and body.

Additional Information can be found on the websites of the World Health Organization (**http://www.who.int/emf**) or Motorola, Inc. (**http://www.motorola.com/rfhealth**).

1. The tests are carried out in accordance with international guidelines for testing. The limit incorporates a substantial margin for safety to give additional protection for the public and to account for any variations in measurements. Additional related information includes the Motorola testing protocol, assessment procedure, and measurement uncertainty range for this product.
2. Please see the *Safety and General Information* section about body worn operation.

Hearing Aid Compatibility with Mobile Phones

Some Motorola phones are measured for compatibility with hearing aids. If the box for your particular model has "Rated for Hearing Aids" printed on it, the following explanation applies.

When some mobile phones are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and phones also vary in the amount of interference they generate.

The wireless telephone industry has developed ratings for some of their mobile phones, to assist hearing device users in finding phones that may be compatible with their hearing devices. Not all phones have been rated. Phones that are rated have the rating on their box or a label on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Phones rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. M4 is the better/higher of the two ratings.

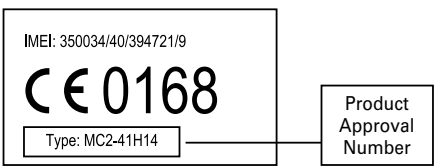
T-Ratings: Phones rated T3 or T4 meet FCC requirements and are likely to be more usable with a hearing device's telecoil ("T Switch" or "Telephone Switch") than unrated phones. T4 is the better/higher of the two ratings. (Note that not all hearing devices have telecoils in them.)

Hearing devices may also be measured for immunity to this type of interference. Your hearing device manufacturer or hearing health professional may help you find results for your hearing device. The more immune your hearing aid is, the less likely you are to experience interference noise from mobile phones.

European Union Directives Conformance Statement

CE Hereby, Motorola declares that this product is in compliance with:

- The essential requirements and other relevant provisions of Directive 1999/5/EC
- All other relevant EU Directives



The above gives an example of a typical Product Approval Number.

You can view your product's Declaration of Conformity (DoC) to Directive 1999/5/EC (to R&TTE Directive) at **www.motorola.com/rtte**. To find your DoC, enter the Product Approval Number from your product's label in the "Search" bar on the Web site.

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This Motorola mobile device may contain portions of UCL RTP STACK open source software package.

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MOTOROLA

Important Safety and Legal Information

Safety and General Information

This section contains important information on the safe and efficient operation of your mobile device. Read this information before using your mobile device.

Exposure to Radio Frequency (RF) Energy

Your mobile device contains a transmitter and receiver. When it is ON, it receives and transmits RF energy. When you communicate with your mobile device, the system handling your call controls the power level at which your mobile device transmits.

Your Motorola mobile device is designed to comply with local regulatory requirements in your country concerning exposure of human beings to RF energy.

Operational Precautions

For optimal mobile device performance, and to be sure that human exposure to RF energy does not exceed the guidelines set forth in the relevant standards, always follow these instructions and precautions.

Product Operation

When placing or receiving a phone call, hold your mobile device just like you would a landline phone.

If you wear the mobile device on your body, always place the mobile device in a Motorola-supplied or approved clip, holder, holster, case, or body harness. If you do not use a body-worn accessory supplied or approved by Motorola, keep the mobile device and its antenna at least 2.5 centimeters (1 inch) from your body when transmitting.

Using accessories not supplied or approved by Motorola may cause your mobile device to exceed RF energy exposure guidelines. For a list of Motorola-supplied or approved accessories, visit our Web site at: **www.motorola.com**.

RF Energy Interference/Compatibility

Nearly every electronic device is subject to RF energy interference from external sources if inadequately shielded, designed, or otherwise configured for RF energy compatibility. In some circumstances your mobile device may cause interference with other devices.

Follow Instructions to Avoid Interference Problems

Turn off your mobile device in any location where posted notices instruct you to do so.

In an aircraft, turn off your mobile device whenever instructed to do so by airline staff. If your mobile device offers an airplane mode or similar feature, consult airline staff about using it in flight.

Implantable Medical Devices

If you have an implantable medical device, such as a pacemaker or defibrillator, consult your physician before using this mobile device.

Persons with implantable medical devices should observe the following precautions:

- ALWAYS keep the mobile device more than 20 centimeters (8 inches) from the implantable medical device when the mobile device is turned ON.
- DO NOT carry the mobile device in the breast pocket.
- Use the ear opposite the implantable medical device to minimize the potential for interference.
- Turn OFF the mobile device immediately if you have any reason to suspect that interference is taking place.

Read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your mobile device with your implantable medical device, consult your healthcare provider.

Driving Precautions

The use of wireless phones while driving may cause distraction. Discontinue a call if you can't concentrate on driving.

Additionally, the use of wireless devices and their accessories may be prohibited or restricted in certain areas. Always obey the laws and regulations on the use of these products.

Responsible driving practices can be found in the "Smart Practices While Driving" section in this guide (or separate guide).

Operational Warnings

Obey all posted signs when using mobile devices in public areas.

Potentially Explosive Atmospheres

Areas with potentially explosive atmospheres are often, but not always, posted and can include fueling areas, such as below decks on boats, fuel or chemical transfer or storage facilities, or areas where the air contains chemicals or particles, such as grain dust, or metal powders.

When you are in such an area, turn off your mobile device, and do not remove, install, or charge batteries. In such areas, sparks can occur and cause an explosion or fire.

Symbol Key

Your battery, charger, or mobile device may contain symbols, defined as follows:

Symbol	Definition
	Important safety information follows.
	Do not dispose of your battery or mobile device in a fire.
	Your battery or mobile device may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.
	Do not throw your battery or mobile device in the trash.
	Do not let your battery, charger, or mobile device get wet.
	Listening at full volume to music or voice through a headset may damage your hearing.

Batteries & Chargers

Caution: Improper treatment or use of batteries may present a danger of fire, explosion, leakage, or other hazard. For more information, see the "battery use & safety" section in the user's guide.

Keep Your Mobile Device and Its Accessories Away From Small Children

These products are not toys and may be hazardous to children. For example:

- A choking hazard may exist for small, detachable parts.
- Improper use could result in loud sounds, possibly causing hearing injury.
- Improperly handled batteries could overheat and cause a burn.

Glass Parts

Some parts of your mobile device may be made of glass. This glass could break if the product is dropped on a hard surface or receives a substantial impact. If glass breaks, do not touch or attempt to remove. Stop using your mobile device until the glass is replaced by a qualified service center.

Seizures/Blackouts

Some people may be susceptible to epileptic seizures or blackouts when exposed to flashing lights, such as when playing video games. These may occur even if a person has never had a previous seizure or blackout.

If you have experienced seizures or blackouts, or if you have a family history of such occurrences, please consult with your physician before playing video games or enabling a flashing-lights feature (if available) on your mobile device.

Discontinue use and consult a physician if any of the following symptoms occur: convulsion, eye or muscle twitching, loss of awareness, involuntary movements, or disorientation. It is always a good idea to hold the screen away from your eyes, leave the lights on in the room, take a 15-minute break every hour, and stop use if you are tired.

Caution About High Volume Usage

Warning: Exposure to loud noise from any source for extended periods of time may affect your hearing. The louder the volume sound level, the less time is required before your hearing could be affected. To protect your hearing:

- Limit the amount of time you use headsets or headphones at high volume.
- Avoid turning up the volume to block out noisy surroundings.
- Turn the volume down if you can't hear people speaking near you.

If you experience hearing discomfort, including the sensation of pressure or fullness in your ears, ringing in your ears, or muffled speech, you should stop listening to the device through your headset or headphones and have your hearing checked.

For more information about hearing, see our Web site at **www.motorola.com/hearingsafety** (in English only).

Repetitive Motion

When you repetitively perform actions such as pressing keys or entering finger-written characters, you may experience occasional discomfort in your hands, arms, shoulders, neck, or other parts of your body. If you continue to have discomfort during or after such use, stop use and see a physician.

[Mar0108]

FCC Notice to Users

The following statement applies to all products that have received FCC approval. Applicable products bear the FCC logo, and/or an FCC ID in the format FCC-ID:xxxxxx on the product label.

Motorola has not approved any changes or modifications to this device by the user. Any changes or modifications could void the user's authority to operate the equipment. See 47 CFR Sec. 15.21.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. See 47 CFR Sec. 15.19(3).

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Latin America Warranty, except Mexico

Latin America Warranty
MOTOROLA INC.
Subscribers/Cellular Division

Through its own service centers and/or its authorized service centers, Motorola provides a 1-year warranty that covers the cellular phone, all its parts and labor against any defect and operation as long as the "Product" has been operated and handled under normal conditions. The term of 1 year begins when the "Product" is purchased.

Conditions

1 For warranty service, return the "Product" and this warranty to the place of purchase or to any Motorola authorized service center.

If additional information is needed, please contact any of our service centers:

Motorola de México, S.A.
Bosques Alisos No. 125
Bosques de las Lomas
CP 05120 México, D.F.

Telephone: 257-6700

Motorola de Brasil
Rua Bandeira, Paulista 580
Sao Paulo, Brazil 05424-010

Telephone: 821-9991

Centro de Servicio
Motorola de Colombia
Diagonal 127A N. 17-64
Bogotá, Colombia

Telephone: 615-5759

Telephone: 615-5769

Telephone: 216-1743

If the cellular phone has been installed in a vehicle, take the vehicle to the service center to analyze the equipment, or the installation on the vehicle. This warranty does not cover the installation of the cellular phone.

2 Motorola Inc., through its own service centers and/or their authorized service centers, will repair or replace the cellular phone at no charge. This warranty covers shipping expenses, only if it is needed to make the repair.

Motorola Inc. through its own service centers and/or their authorized service centers, at its own discretion, will repair, replace, or reimburse the purchase price of the defective cellular phone only during the warranty period, as long as the "Product", in accordance with the conditions established in this warranty, is returned to a Motorola service center or to a Motorola authorized service center. All the accessories, batteries, parts, small boards or equipment of the cellular telephone that by virtue of being defective are replaced in fulfillment of this warranty, will automatically become property of Motorola Inc.

3 To receive warranty service, present your cellular phone or accessory to any Motorola service center or to any Motorola authorized service center along with your receipt of purchase or comparable substitute that indicates the date of purchase, serial number of the transceiver, and/or electronic serial number.

4 The repair time will not be greater than 30 days, starting from the day the equipment was received at the service center.

5 To purchase parts, spare parts, accessories and service not covered by this warranty, contact one of the following service centers:

Motorola de México, S.A.
Bosques Alisos No. 125
Bosques de las Lomas
CP 05120 México, D.F.

Telephone: 257-6700

Motorola de Brasil
Rua Bandeira, Paulista 580
Sao Paulo, Brazil 05424-010

Telephone: 821-9991

Centro de Servicio
Motorola de Colombia
Diagonal 127A N. 17-64
Bogotá, Colombia

Telephone: 615-5759

Telephone: 615-5769

Telephone: 216-1743

Or to any authorized service center in your locality.

6 This warranty is not valid in the following cases:

- **a** Defects or damages derived from abnormal use.
- **b** Defects or damages derived from accident or negligence.
- **c** Defects or damages derived from tests, unsuitable operation, maintenance, installation and adjustments, or derived from any alteration or modification of any type.
- **d** Damage caused to antennas, unless they are consequences of defects in material or workmanship.
- **e** When the cellular phone has been disassembled and/or repaired so that its operation has been affected or that it can not be tested to verify any claim that grants this warranty.
- **f** Any cellular phone with a serial number that has been removed, altered, or obliterated.
- **g** Defects or damages caused by food spills or liquids.
- **h** When the cables of the control unit have been stretched or the module tongue -piece has broken.
- **i** When the surface of the "Product" and its pieces have been scratched or damaged due to the normal use.
- **j** Leather cases.
- **k** Rented cellular phones.
- **l** When the "Product" has been altered or repaired by non-Motorola authorized service centers.
- **m** When the "Product" has not been operated in agreement with the instructions that accompany the "Product".

The batteries (Nickel-Cadmium) are warranted only if their capacity is reduced by 80% below its predicted capacity. This warranty is null for all types of batteries if:

- **a** The batteries are charged by a charger that has not been approved by MOTOROLA.
- **b** If any of the battery seals are broken or tampered with.
- **c** If the batteries were used or installed in non-MOTOROLA equipment.

"Product":

Brand: Motorola Model:

Number of Mechanical Series:

Number of Electronic Series:

Name of Distributor:

Street and Number:

Town:

Municipality:

Postal Code, City, State, or Country:

Telephone:

Date of Delivery or Installation:

Limited Warranty (Mexico)

For Motorola Personal Communication Products and Accessories that are Purchased in Mexico

I. Concepts Covered by this Warranty

This warranty covers all the parts, components, accessories and labor of the Motorola "product" from defects in materials and workmanship under normal consumer usage.

The Motorola "Products" that are protected under this warranty can be: (a) cellular telephones, (b) radar sets, (c) two-way radios, and (d) wireless telephones.

Motorola de Mexico S.A., at its option, will at no charge repair, replace, or refund the purchase price of any "Product" that does not conform to this warranty. Motorola may use functionally equivalent reconditioned/refurbished/pre-owned or new Products, Accessories or parts. Updates in software are not covered.

II. Length of Warranty Coverage

The length of coverage is one (1) year from the date the new "Product" was purchased from an authorized distributor.

III. Place where consumers can make the warranty effective, obtain parts, components, and accessories:

Motorola de México, S.A.
Bosques de Alisos 125
Col. Bosques de las Lomas
Del. Cuajimalpa

Te:(55) 5257-6700

IV. Procedure to Make the Warranty Effective

For warranty service, return the "Product" (with its components and accessories, such as batteries, antennas, and charger) to the place of purchase, to the address above, or to an authorized service center, or call 01 800 021 0000. To request a refund, you must present this warranty, sealed by the place of purchase, along with the "Product."

V. Warranty Limitations or Exceptions

The warranty is not valid:

1 When the "Product" has been used in conditions different from the normal ones.

2 When the "Product" has not been operated as described in the operating instructions.)

3 When the "Product" has been altered or repaired by someone other than Motorola, or its authorized service centers.

If repairs are not covered by this warranty, Motorola, at the request of the purchaser, will provide information regarding availability, prices, and other conditions for the repair of the "Product".

To obtain information on Products that need repairs not covered by this warranty, please call 01 800 021 0000.

Note: In other countries, consult the laws and local regulations under the warranty and its local Motorola office.

Product Model:	**Date of purchase:**
	Seal of the authorized or established distributor where the "Product" was purchased:

Information from the World Health Organization

Present scientific information does not indicate the need for any special precautions for the use of mobile phones. If you are

concerned, you may want to limit your own or your children's RF exposure by limiting the length of calls or by using handsfree devices to keep mobile phones away from your head and body.

Source: WHO Fact Sheet 193

Further information: **http://www.who.int./peh-emf**

Caring for the Environment by Recycling

This symbol on a Motorola product means the product should not be disposed of with household waste.

Disposal of your Mobile Device and Accessories

Please do not dispose of mobile devices or electrical accessories (such as chargers, headsets, or batteries) with your household waste. These items should be disposed of in accordance with the national collection and recycling schemes operated by your local or regional authority. Alternatively, you may return unwanted mobile devices and electrical accessories to any Motorola Approved Service Center in your region. Details of Motorola approved national recycling schemes, and further information on Motorola recycling activities can be found at: **www.motorola.com/recycling**

Disposal of your Mobile Device Packaging and User's Guide

Product packaging and user's guides should only be disposed of in accordance with national collection and recycling requirements. Please contact your regional authorities for more details.

Privacy and Data Security

Motorola understands that privacy and data security are important to everyone. Because some features of your mobile device may affect your privacy or data security, please follow these recommendations to enhance protection of your information:

- **Monitor access**—Keep your mobile device with you and do not leave it where others may have unmonitored access. Lock your device's keypad where this feature is available.
- **Keep software up to date**—If Motorola or a software/application vendor releases a patch or software fix for your mobile device that updates the device's security, install it as soon as possible.
- **Erase before recycling**—Delete personal information or data from your mobile device prior to disposing of it or turning it in for recycling. For step-by-step instructions on how to delete all personal information from your device, see the section entitled "master clear" or "delete data" in the user's guide.

  Note: For information on backing up your mobile device data before erasing it, go to **www.motorola.com** and navigate to the "downloads" section of the consumer Web page for "Motorola Backup" or "Motorola Phone Tools."

- **Understanding AGPS**—To provide location information for emergency calls, certain Motorola mobile devices incorporate *Assisted Global Positioning System* (AGPS) technology. AGPS technology also can be used in non-emergency applications to track and monitor a user's location—for example, to provide driving directions. Users who prefer not to permit such tracking and monitoring should avoid using such applications.

If you have further questions regarding how the use of your mobile device may impact your privacy or data security, please contact Motorola at **privacy@motorola.com**, or contact your service provider.

Smart Practices While Driving

Drive Safe, Call Smart

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas -- for example, handsfree use only. Go to www.motorola.com/callsmart (in English only) for more information.

Your mobile device lets you communicate by voice and data—almost anywhere, anytime, wherever wireless service is available and safe conditions allow. When driving a car, driving is your first responsibility. If you choose to use your mobile device while driving, remember the following tips:

- **Get to know your Motorola mobile device and its features such as speed dial and redial.** If available, these features help you to place your call without taking your attention off the road.
- **When available, use a handsfree device.** If possible, add an additional layer of convenience to your mobile device with one of the many Motorola Original™ handsfree accessories available today.
- **Position your mobile device within easy reach.** Be able to access your mobile device without removing your eyes from the road. If you receive an incoming call at an inconvenient time, if possible, let your voicemail answer it for you.
- **Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions.** Rain, sleet, snow, ice, and even heavy traffic can be hazardous.
- **Do not take notes or look up phone numbers while driving.** Jotting down a "to do" list or going through your address book takes attention away from your primary responsibility—driving safely.
- **Dial sensibly and assess the traffic; if possible, place calls when your car is not moving or before pulling into traffic.** If you must make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
- **Do not engage in stressful or emotional conversations that may be distracting.** Make people you are talking with aware you are driving and suspend conversations that can divert your attention away from the road.

- **Use your mobile device to call for help.** Dial 911 or other local emergency number in the case of fire, traffic accident, or medical emergencies.*
- **Use your mobile device to help others in emergencies.** If you see an auto accident, crime in progress, or other serious emergency where lives are in danger, call 911 or other local emergency number, as you would want others to do for you.*
- **Call roadside assistance or a special non-emergency wireless assistance number when necessary.** If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.*

* Wherever wireless phone service is available.

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